

Claims:

1. A method of attracting a leukocyte to a location comprising the step of administering to the location a peptide capable of attracting a leukocyte.

2. The method of claim 1, wherein the peptide has a sequence included in Sequence ID No. 1.

3. The method of claim 2, wherein the peptide has the sequence selected from the group consisting of Sequence ID Nos. 1, 2, 5, 6, and 7.

4. The method of claim 1, wherein the peptide has a length of less than 60 amino acid residues.

5. The method of claim 1, wherein the peptide is synthesized.

6. The method of claim 1, wherein the leukocyte is a mammalian leukocyte.

7. The method of claim 6, wherein the leukocyte is a porcine leukocyte.

8. The method of claim 1, wherein the leukocyte is a neutrophil.

9. A method of inhibiting leukocyte O_2^- production comprising the step of contacting a leukocyte with a peptide capable of inhibiting leukocyte O_2^- , said peptide having a sequence selected from the group consisting of $X_1pX_2PpX_3P$ and $X_3PpX_2PpX_1$, wherein P represents proline and X represents any amino acid.

10. The method of claim 9, wherein X_1 is arginine.

11. The method of claim 9, wherein P denotes critical contact residues.